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37-1206: Human VEGFR1 / FLT-1 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human
Alternative Name : FLT Protein, FLT-1 Protein, VEGFR-1 Protein, VEGFR1 Protein,

Description

Source : HEK293 Cells
Vascular endothelial growth factor receptor 1, also known as VEGFR-1, Fms-like tyrosine kinase 1, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT, Vascular permeability factor receptor and FLT1, is a single-pass type I membrane protein and secreted protein which belongs to theprotein kinase superfamily, Tyr protein kinase family and CSF-1/PDGF receptor subfamily. VEGFR-1 / FLT1 contains sevenIg-like C2-type (immunoglobulin-like) domains and oneprotein kinase domain. VEGFR-1 / FLT1 is expressed mostly in normal lung, but also in placenta, liver, kidney, heart and brain tissues. It is specifically expressed in most of the vascular endothelial cells, and also expressed in peripheral blood monocytes. VEGFR-1 / FLT1 is not expressed in tumor cell lines. VEGFR-1 / FLT1 is an essential receptor tyrosine kinase that regulates mammalian vascular development and embryogenesis. EGF-induced angiogenesis requires inverse regulation of VEGFR-1 and VEGFR-2 in tumor-associated endothelial cells. VEGFR-1 / FLT1 is a receptor for VEGF, VEGFB and PGF. It has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount :	1 Recombinant Protein (Fc Tag)(Discontinued) / 50 µg
Purification :	> 95 % as determined by SDS-PAGE.
Content :	Formulation Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Ile328

Application Note

1.Measured by its binding ability in a functional ELISA. 2.Immobilized human VEGFR1-Fc at 10Ã‚Âµg/mL (100Ã‚ÂµL/well) can bind biotinylated human VEGF165 , the EC50 of biotinylated human VEGF165 is 10-40 ng/mL.
Endotoxin :< 1.0 EU per Ã‚Âµg protein as determined by the LAL method.

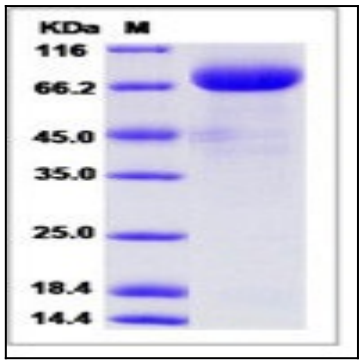

Fig 1: Human VEGFR1 / FLT-1 Recombinant Protein (Fc Tag)